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FULL ESTIMATED COST

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CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 13:18:48 ON 04 JUN 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 13:18:48 ON 04 JUN 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

=> s polymer film# and polyazole#
L1 64 POLYMER FILM# AND POLYAZOLE#

=> s l1 and benzimidazole#
L2 51 L1 AND BENZIMIDAZOLE#

=> s l2 and aromatic tetraamin# compound#
L3 20 L2 AND AROMATIC TETRAAMIN# COMPOUND#

=> s l3 and aromatic carboxylic acid#
L4 20 L3 AND AROMATIC CARBOXYLIC ACID#

=> s l4 and polyphosphoric acid#
L5 18 L4 AND POLYPHOSPHORIC ACID#

=> s l5 and heat#
L6 17 L5 AND HEAT#

=> s l5 and heat?
L7 18 L5 AND HEAT?

=> s l7 and inert gas
L8 18 L7 AND INERT GAS

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=> s l8 and dry?
L9 18 L8 AND DRY?

=> s l9 and solution# and dispers?
L10 18 L9 AND SOLUTION# AND DISPERS?

=> d l10 1-18

L10 ANSWER 1 OF 18 EPFULL COPYRIGHT 2008 EPO/FIZ KA on STN

AN 2004:160174 EPFULL EDP 20060223 ED 20060223 UP 20060830
DUPD 20060830 DUPW 200635
TIEN Long-life membrane electrode assemblies.
TIFR Unites membrane-electrodes a longue duree.
TIDE Membran-Elektrodeneinheiten mit langer Lebensdauer.
IN The designation of the inventor has not yet been filed
PA Pemeas GmbH, 65926 Frankfurt am Main, DE
PAN 4944860
AG Luderschmidt, Schueler & Partner, Patentanwaelte, Industriepark Hoechst,
Geb. F821, 65926 Frankfurt am Main, DE
AGN 101418
DT Patent
LAF English
LA English
LAP English
TL German; English; French
PIT EPA2 Application published without search report
PI EP 1624512 A2 20060208
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO
SE SI SK TR
EXTENSION STATES: AL HR LT LV MK
AI EP 2004-25081 A 20041021
PRAI EP 2004-18600 A 20040805
IPCI H01M0008-02 [I,A]; H01M0008-10 [I,A]
H01M0008-02 [I,C*]; H01M0008-10 [I,C*]

L10 ANSWER 2 OF 18 PCTFULL COPYRIGHT 2008 Univentio on STN
AN 2006013108 PCTFULL ED 20060331 EW 200606
TIEN LONG-LIFE MEMBRANE ELECTRODE ASSEMBLIES
TIFR ENSEMBLES ELECTRODES-MEMBRANE LONGUE DUREE
IN HOPPES, Glen, Fuchstanzstrasse 20, 60489 Frankfurt, DE;
PUFFER, Raymond, 196 Boght Road, Watervliet, NY 12189, US
PA PEMEAS GMBH, Industriepark Hoechst, 65926 Frankfurt am Main, DE
AG DOeRR, Klaus et al., Industriepark Hoechst Geb. F821, 65926 Frankfurt am
Main, DE
LAF English
LA English
DT Patent
PI WO 2006013108 A2 20060209
DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MD
MG MK MN MW MX MZ NA NG NI NO NZ OM PG PH PL PT RO RU SC
SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN
YU ZA ZM ZW
RW (ARIPO): BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT
LU LV MC NL PL PT RO SE SI SK TR

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       RW (OAPI):    BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
PRAI   EP 2004-04018600        20040805
       EP 2004-04025081        20041021
       US 2004-60620747        20041021
AI     WO 2005-EP8488       A  20050805
IPCI   H01M0008-02 [I,A]; H01M0008-10 [I,A]; H01M0008-24 [I,A]
       H01M0008-02 [I,C*]; H01M0008-10 [I,C*]; H01M0008-24 [I,C*]

L10  ANSWER 3 OF 18  USPATFULL on STN
AN     2008:65441  USPATFULL
TI     Proton-Conducting Membrane and Use Thereof
IN     Calundann, Gordon, North Plainfield, NJ, UNITED STATES
       Sansone, Michael J., Berkeley Heights, NJ, UNITED STATES
       Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
       Kiefer, Joachim, Losheim Am See, GERMANY, FEDERAL REPUBLIC OF
PI     US 20080057358      A1  20080306
AI     US 2007-930764      A1  20071031 (11)
RLI    Division of Ser. No. US 2003-472814, filed on 24 Dec 2003, PENDING A 371
       of International Ser. No. WO 2002-EP3900, filed on 9 Apr 2002
PRAI   DE 2001-10117686    20010409
DT     Utility
FS     APPLICATION
LN.CNT 951
INCL   INCLM: 429/012.000
       INCLS: 524/706.000
NCL    NCLM:  429/012.000
       NCLS:  524/706.000
IC     IPCI   H01M0008-00 [I,A]; C08L0079-00 [I,A]; H01M0004-00 [I,A]
       IPCR   H01M0008-00 [I,C]; H01M0008-00 [I,A]; C08L0079-00 [I,C];
              C08L0079-00 [I,A]; H01M0004-00 [I,C]; H01M0004-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10  ANSWER 4 OF 18  USPATFULL on STN
AN     2008:57673  USPATFULL
TI     Proton-Conducting Membrane and the Use Thereof
IN     Calundann, Gordon, North Plainfield, NJ, UNITED STATES
       Sansone, Michael J., Berkeley Heights, NJ, UNITED STATES
       Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
       Kiefer, Joachim, Losheim Am See, GERMANY, FEDERAL REPUBLIC OF
PI     US 20080050514      A1  20080228
AI     US 2007-930704      A1  20071031 (11)
RLI    Division of Ser. No. US 2003-472814, filed on 24 Dec 2003, PENDING A 371
       of International Ser. No. WO 2002-EP3900, filed on 9 Apr 2002
PRAI   DE 2001-10117686    20010409
DT     Utility
FS     APPLICATION
LN.CNT 1066
INCL   INCLM: 427/115.000
NCL    NCLM:  427/115.000
IC     IPCI   B05D0005-12 [I,A]
       IPCR   B05D0005-12 [I,C]; B05D0005-12 [I,A]; B01D0067-00 [I,C*];
              B01D0067-00 [I,A]; B01D0071-00 [I,C*]; B01D0071-62 [I,A];
              C08G0073-00 [I,C*]; C08G0073-18 [I,A]; C08J0005-20 [I,C*];
              C08J0005-22 [I,A]; H01M0008-10 [I,C*]; H01M0008-10 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10  ANSWER 5 OF 18  USPATFULL on STN
AN     2007:284336  USPATFULL
TI     Membrane Electrode Units and Fuel Cells with an Increased Service Life
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IN Schmidt, Thomas, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
Padberg, Christoph, Wiesbaden, GERMANY, FEDERAL REPUBLIC OF
Hoppes, Glen, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
Ott, Detlef, Sulzbach, GERMANY, FEDERAL REPUBLIC OF
Rat, Francis, Ransbach-Baumbach, GERMANY, FEDERAL REPUBLIC OF
Jantos, Marc, Bad Homburg, GERMANY, FEDERAL REPUBLIC OF
PA PEMEAS GMBH, Frankfurt am Main, GERMANY, FEDERAL REPUBLIC OF, 65926
(non-U.S. corporation)
PI US 20070248889 A1 20071025
AI US 2005-572344 A1 20050721 (11)
WO 2005-EP7946 20050721
20070508 PCT 371 date
PRAI DE 2004-102004035309200407 21
DT Utility
FS APPLICATION
LN.CNT 1788
INCL INCLM: 429/309.000
NCL NCLM: 429/309.000
IC IPCI H01M0006-18 [I,A]
IPCR H01M0006-18 [I,C]; H01M0006-18 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 6 OF 18 USPATFULL on STN
AN 2007:284310 USPATFULL
TI Membrane-Electrode Unit and Fuel Elements with Increased Service Life
IN Pawlik, Jurgen, Battenwerg, GERMANY, FEDERAL REPUBLIC OF
Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
Schmidt, Thomas, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
Padberg, Christoph, Wiesbaden, GERMANY, FEDERAL REPUBLIC OF
Hoppes, Glen, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
PI US 20070248863 A1 20071025
AI US 2005-573105 A1 20050805 (11)
WO 2005-EP8487 20050805
20070626 PCT 371 date
PRAI EP 2004-18600 20040805
DT Utility
FS APPLICATION
LN.CNT 1762
INCL INCLM: 429/030.000
INCLS: 427/115.000; 429/306.000
NCL NCLM: 429/030.000
NCLS: 427/115.000; 429/306.000
IC IPCI H01M0008-10 [I,A]
IPCR H01M0008-10 [I,C]; H01M0008-10 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 7 OF 18 USPATFULL on STN
AN 2007:231975 USPATFULL
TI Anisotropic Shaped Bodies, Method For The Production And Utilization Of
Anisotropic Shaped Bodies
IN Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
Belack, Jorg, Mainz, GERMANY, FEDERAL REPUBLIC OF
PI US 20070203252 A1 20070830
AI US 2005-569080 A1 20050513 (11)
WO 2005-EP5283 20050513
20061114 PCT 371 date
PRAI DE 2004-102004024169200405 14
DT Utility
FS APPLICATION

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LN.CNT 1419
INCL INCLM: 521/027.000
INCLS: 429/033.000
NCL NCLM: 521/027.000
NCLS: 429/033.000
IC IPCI C08J0005-22 [I,A]; C08J0005-20 [I,C*]; H01M0008-10 [I,A]
IPCR C08J0005-20 [I,C]; C08J0005-22 [I,A]; C08J0005-18 [I,C*];
C08J0005-18 [I,A]; C08J0007-00 [I,C*]; C08J0007-06 [I,A];
H01M0008-10 [I,C]; H01M0008-10 [I,A]

L10 ANSWER 8 OF 18 USPATFULL on STN
AN 2007:62900 USPATFULL
TI Proton-conducting polymer membrane containing polymers with sulfonic acid groups that are covalently bonded to aromatic groups, membrane electrode unit, and use thereof in fuel cells
IN Kiefer, Joachi, Losheim am See, GERMANY, FEDERAL REPUBLIC OF
Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
PA PEMEAS GMBH, FRANKFURT, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
PI US 20070055045 A1 20070308
AI US 2004-570637 A1 20040904 (10)
WO 2004-EP9900 20040904
20060303 PCT 371 date
PRAI DE 2003-10340927 20030904
DT Utility
FS APPLICATION
LN.CNT 1474
INCL INCLM: 528/373.000
NCL NCLM: 528/373.000
IC IPCI C08G0075-00 [I,A]
IPCR C08G0075-00 [I,C]; C08G0075-00 [I,A]; H01M0004-86 [N,C*];
H01M0004-86 [N,A]; H01M0004-90 [N,C*]; H01M0004-92 [N,A];
H01M0008-10 [I,C*]; H01M0008-10 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 9 OF 18 USPATFULL on STN
AN 2006:247491 USPATFULL
TI Proton-conducting membrane and use thereof
IN Calundann, Gordon, North Plainfield, NJ, UNITED STATES
Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
Benicewicz, Brian, Loundonville, NY, UNITED STATES
Scanlon, Eugene, Troy, NY, UNITED STATES
PI US 20060210881 A1 20060921
AI US 2004-566135 A1 20040723 (10)
WO 2004-EP8229 20040723
20060127 PCT 371 date
PRAI EP 2003-17027 20030727
DT Utility
FS APPLICATION
LN.CNT 944
INCL INCLM: 429/303.000
NCL NCLM: 429/303.000
IC IPCI H01M0006-14 [I,A]
IPCR H01M0006-14 [I,C]; H01M0006-14 [I,A]; H01M0008-02 [I,C*];
H01M0008-02 [I,A]; H01M0008-10 [I,C*]; H01M0008-10 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 10 OF 18 USPATFULL on STN
AN 2006:67231 USPATFULL

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TI Proton-conducting membrane and the use thereof
IN Calundann, Gordon, North Plainfield, NJ, UNITED STATES
Sansone, Michael J, Berkeley Heights, NJ, UNITED STATES
Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
Kiefer, Joachim, Losheim am See, GERMANY, FEDERAL REPUBLIC OF
PI US 20060057449 A1 20060316
AI US 2003-519281 A1 20030614 (10)
WO 2003-EP6308 20030614
20050804 PCT 371 date
PRAI DE 2002-10228657 20020627
DT Utility
FS APPLICATION
LN.CNT 976
INCL INCLM: 429/033.000
INCLS: 521/027.000; 429/314.000
NCL NCLM: 429/033.000
NCLS: 429/314.000; 521/027.000
IC IPCI C08J0005-22 [I,A]; C08J0005-20 [I,C*]; H01M0008-10 [I,A]
IPCR C08J0005-20 [I,C]; C08J0005-22 [I,A]; B01D0071-00 [I,C*];
B01D0071-62 [I,A]; B01D0071-82 [I,A]; C08G0073-00 [I,C*];
C08G0073-06 [I,A]; C08G0073-08 [I,A]; C08G0073-18 [I,A];
C08G0073-22 [I,A]; H01M0008-10 [I,C]; H01M0008-10 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 11 OF 18 USPATFULL on STN
AN 2006:15684 USPATFULL
TI Membrane electrode unit comprising a polyimide layer
IN Pawlik, Jurgen, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
Baurmeister, Jochen, Eppstein, GERMANY, FEDERAL REPUBLIC OF
Padberg, Christoph, Wiesbaden, GERMANY, FEDERAL REPUBLIC OF
PA PEMEAS GmbH, Frankfurt, GERMANY, FEDERAL REPUBLIC OF, D-65926 (non-U.S.
corporation)
PI US 20060014065 A1 20060119
AI US 2003-523463 A1 20030731 (10)
WO 2003-EP8460 20030731
20050613 PCT 371 date
PRAI DE 2002-10235360 20020802
DT Utility
FS APPLICATION
LN.CNT 876
INCL INCLM: 429/030.000
INCLS: 429/042.000; 429/033.000
NCL NCLM: 429/030.000
NCLS: 429/033.000; 429/042.000
IC IPCI H01M0008-10 [I,A]; H01M0004-86 [I,A]
IPCR H01M0008-10 [I,A]; H01M0004-86 [I,C]; H01M0004-86 [I,A];
H01M0008-02 [I,C*]; H01M0008-02 [I,A]; H01M0008-10 [I,C]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 12 OF 18 USPATFULL on STN
AN 2005:293746 USPATFULL
TI Polymer film based on polyazoles, and uses
thereof
IN Kiefer, Joachim, Losheim am See, GERMANY, FEDERAL REPUBLIC OF
Calundann, Gordon, North Plainfield, NJ, UNITED STATES
Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
Baurmeister, Jochen, Eppstein, GERMANY, FEDERAL REPUBLIC OF
Jordt, Frauke, Eppstein, GERMANY, FEDERAL REPUBLIC OF
PI US 20050256296 A1 20051117

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AI US 2003-525590 A1 20030814 (10)
WO 2003-EP9020 20030814
20050524 PCT 371 date
PRAI DE 2002-10239701 20020829
DT Utility
FS APPLICATION
LN.CNT 840
INCL INCLM: 528/327.000
NCL NCLM: 528/327.000
IC [7]
ICM C08G069-00
IPCI C08G0069-00 [ICM,7]
IPCR B01D0053-22 [I,C*]; B01D0053-22 [I,A]; B01D0061-02 [I,C*];
B01D0061-02 [I,A]; B01D0061-14 [I,C*]; B01D0061-14 [I,A];
B01D0061-24 [I,C*]; B01D0061-24 [I,A]; B01D0061-42 [I,C*];
B01D0061-46 [I,A]; B01D0071-00 [I,C*]; B01D0071-62 [I,A];
C08G0073-00 [I,C*]; C08G0073-06 [I,A]; C08G0073-18 [I,A];
C08G0073-22 [I,A]; C08J0005-18 [I,C*]; C08J0005-18 [I,A];
C08L0079-00 [I,C*]; C08L0079-06 [I,A]; D01F0006-58 [I,C*];
D01F0006-74 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 13 OF 18 USPATFULL on STN
AN 2005:280748 USPATFULL
TI Proton-conducting polymer membrane comprising a polymer with sulphonic acid groups and use thereof in fuel cells
IN Kiefer, Joachim, Losheim am See, GERMANY, FEDERAL REPUBLIC OF
Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
Calundann, Gordon, North Plainfield, NJ, UNITED STATES
PI US 20050244695 A1 20051103
US 7332530 B2 20080219
AI US 2003-523373 A1 20030731 (10)
WO 2003-EP8462 20030731
20050323 PCT 371 date
PRAI DE 2002-10235356 20020802
DE 2003-10235357 20020802
DT Utility
FS APPLICATION
LN.CNT 1441
INCL INCLM: 429/033.000
INCLS: 521/027.000
NCL NCLM: 521/027.000; 429/033.000
NCLS: 429/030.000; 429/033.000; 521/030.000; 526/286.000
IC [7]
ICM H01M008-10
ICS C08J005-22
IPCI H01M0008-10 [ICM,7]; C08J0005-22 [ICS,7]; C08J0005-20 [ICS,7,C*]
IPCI-2 C08J0005-22 [I,A]; C08J0005-20 [I,C*]; H01M0008-10 [I,A]
IPCR C08J0005-20 [I,C]; C08J0005-22 [I,A]; B01D0067-00 [I,C*];
B01D0067-00 [I,A]; B01D0069-00 [I,C*]; B01D0069-14 [I,A];
B01D0071-00 [I,C*]; B01D0071-62 [I,A]; B01D0071-64 [I,A];
B01D0071-72 [I,A]; C08G0061-00 [I,C*]; C08G0061-12 [I,A];
C08G0073-00 [I,C*]; C08G0073-06 [I,A]; C08G0073-08 [I,A];
C08G0073-10 [I,A]; C08G0073-18 [I,A]; C08G0073-22 [I,A];
C08G0079-00 [I,C*]; C08G0079-04 [I,A]; H01M0008-10 [I,C];
H01M0008-10 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 14 OF 18 USPATFULL on STN

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AN 2005:280747 USPATFULL
TI Proton-conducting polymer membrane comprising polymers containing phosphonic acid groups and its use in fuel cells
IN Kiefer, Joachim, Losheim Am See, GERMANY, FEDERAL REPUBLIC OF
Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
Calundann, Gordon, North Plainfield, NY, UNITED STATES
PA Pemeas Gmbh, Frankfurt, GERMANY, FEDERAL REPUBLIC OF, D-65926 (non-U.S. corporation)
PI US 20050244694 A1 20051103
AI US 2003-522839 A1 20030731 (10)
WO 2003-EP9461 20030731
20050606 PCT 371 date
PRAI DE 2002-1023538 20020802
DT Utility
FS APPLICATION
LN.CNT 1176
INCL INCLM: 429/033.000
INCLS: 521/027.000; 429/042.000
NCL NCLM: 429/033.000
NCLS: 429/042.000; 521/027.000
IC [7]
ICM H01M008-10
ICS C08J005-22; H01M004-86
IPCI H01M0008-10 [ICM,7]; C08J0005-22 [ICS,7]; C08J0005-20 [ICS,7,C*]; H01M0004-86 [ICS,7]
IPCR C08J0007-00 [I,C*]; C08J0007-04 [I,A]; B01D0071-00 [I,C*]; B01D0071-58 [I,A]; C08G0073-00 [I,C*]; C08G0073-06 [I,A]; C08J0005-20 [I,C*]; C08J0005-22 [I,A]; H01B0001-06 [I,C*]; H01B0001-06 [I,A]; H01B0013-00 [I,C*]; H01B0013-00 [I,A]; H01M0004-86 [I,C*]; H01M0004-86 [I,A]; H01M0004-88 [I,C*]; H01M0004-88 [I,A]; H01M0008-02 [I,C*]; H01M0008-02 [I,A]; H01M0008-10 [I,C*]; H01M0008-10 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 15 OF 18 USPATFULL on STN
AN 2004:240374 USPATFULL
TI Method for producing a plasma-polymerized polymer electrolyte membrane and a polyazol membrane coated by plasma-polymerization
IN Muller, Jorg, Buchholz, GERMANY, FEDERAL REPUBLIC OF
Mex, Laurent, Asendorf, GERMANY, FEDERAL REPUBLIC OF
PI US 20040186189 A1 20040923
AI US 2003-482354 A1 20031229 (10)
WO 2002-EP7734 20020711
PRAI DE 2001-10133739 20010711
DT Utility
FS APPLICATION
LN.CNT 949
INCL INCLM: 521/027.000
INCLS: 429/033.000; 204/296.000
NCL NCLM: 521/027.000
NCLS: 204/296.000; 429/033.000
IC [7]
ICM C08J005-22
ICS H01M008-10; C25B013-04
IPCI C08J0005-22 [ICM,7]; C08J0005-20 [ICM,7,C*]; H01M0008-10 [ICS,7]; C25B0013-04 [ICS,7]; C25B0013-00 [ICS,7,C*]
IPCR B65D0025-20 [I,C*]; B65D0025-20 [I,A]; B65F0001-14 [I,C*]; B65F0001-14 [I,A]; G09F0003-08 [I,C*]; G09F0003-20 [I,A]; G09F0007-02 [I,C*]; G09F0007-10 [I,A]

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 16 OF 18 USPATFULL on STN
AN 2004:126755 USPATFULL
TI Proton-comducting membrane and the use thereof
IN Calundann, Gordon, North Plainfield, NJ, UNITED STATES
Sansone, Michael J., Berkeley Heights, NJ, UNITED STATES
Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
Kiefer, Joachim, Losheim Am See, GERMANY, FEDERAL REPUBLIC OF
PI US 20040096734 A1 20040520
AI US 2003-472814 A1 20031224 (10)
WO 2002-EP3900 20020409
PRAI DE 2001-10117686 20010409
DT Utility
FS APPLICATION
LN.CNT 1106
INCL INCLM: 429/137.000
INCLS: 429/246.000; 429/033.000; 521/027.000
NCL NCLM: 429/137.000
NCLS: 429/033.000; 429/246.000; 521/027.000
IC [7]
ICM H01M002-16
ICS H01M008-10; C08J005-22
IPCI H01M0002-16 [ICM,7]; H01M0008-10 [ICS,7]; C08J0005-22 [ICS,7];
C08J0005-20 [ICS,7,C*]
IPCR B01D0067-00 [I,C*]; B01D0067-00 [I,A]; B01D0071-00 [I,C*];
B01D0071-62 [I,A]; C08G0073-00 [I,C*]; C08G0073-18 [I,A];
C08J0005-20 [I,C*]; C08J0005-22 [I,A]; H01M0008-10 [I,C*];
H01M0008-10 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 17 OF 18 USPAT2 on STN
AN 2005:280748 USPAT2
TI Proton-conducting polymer membrane comprising a polymer with sulphonic
acid groups and use thereof in fuel cells
IN Kiefer, Joachim, Losheim am See, GERMANY, FEDERAL REPUBLIC OF
Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
Calundann, Gordon, North Plainfield, NJ, UNITED STATES
PA Celanese Ventures GmbH, Frankfurt am Main, GERMANY, FEDERAL REPUBLIC OF
(non-U.S. corporation)
PI US 7332530 B2 20080219
WO 2004015803 20040219
AI US 2003-523373 20030731 (10)
WO 2003-EP8462 20030731
20050323 PCT 371 date
PRAI DE 2002-10235356 20020802
DE 2002-10235357 20020802
DT Utility
FS GRANTED
LN.CNT 1491
INCL INCLM: 521/027.000
INCLS: 521/030.000; 429/030.000; 429/033.000; 526/286.000
NCL NCLM: 521/027.000; 429/033.000
NCLS: 429/030.000; 429/033.000; 521/030.000; 526/286.000
IC IPCI H01M0008-10 [ICM,7]; C08J0005-22 [ICS,7]; C08J0005-20 [ICS,7,C*]
IPCI-2 C08J0005-22 [I,A]; C08J0005-20 [I,C*]; H01M0008-10 [I,A]
IPCR C08J0005-20 [I,C]; C08J0005-22 [I,A]; B01D0067-00 [I,C*];
B01D0067-00 [I,A]; B01D0069-00 [I,C*]; B01D0069-14 [I,A];
B01D0071-00 [I,C*]; B01D0071-62 [I,A]; B01D0071-64 [I,A];

ductruong

B01D0071-72 [I,A]; C08G0061-00 [I,C*]; C08G0061-12 [I,A];
C08G0073-00 [I,C*]; C08G0073-06 [I,A]; C08G0073-08 [I,A];
C08G0073-10 [I,A]; C08G0073-18 [I,A]; C08G0073-22 [I,A];
C08G0079-00 [I,C*]; C08G0079-04 [I,A]; H01M0008-10 [I,C];
H01M0008-10 [I,A]
EXF 521/27; 521/30; 429/33; 429/30; 526/286
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 18 OF 18 USPAT2 on STN
AN 2004:166098 USPAT2
TI Proton-conducting membrane and use thereof
IN Calundann, Gordon, North Plainfield, NJ, UNITED STATES
Sansone, Michael J., Berkeley Heights, NJ, UNITED STATES
Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
Kiefer, Joachim, Losheim am See, GERMANY, FEDERAL REPUBLIC OF
PA PEMEAS GmbH, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
PI US 7235320 B2 20070626
WO 2002081547 20021017
AI US 2002-472810 20020409 (10)
WO 2002-EP3901 20020409
20040210 PCT 371 date
PRAI DE 2001-10117687 20010419
DT Utility
FS GRANTED
LN.CNT 853
INCL INCLM: 429/030.000
INCLS: 429/033.000; 548/335.100; 548/343.500; 548/219.000; 548/146.000;
548/348.000; 548/156.000
NCL NCLM: 429/030.000; 521/027.000
NCLS: 429/033.000; 525/540.000; 548/146.000; 548/156.000; 548/219.000;
548/335.100; 548/343.500
IC IPCI C08J0005-20 [ICM,7]
IPCI-2 H01M0008-10 [I,A]
IPCR H01M0008-10 [I,C]; H01M0008-10 [I,A]; B01D0071-00 [I,C*];
B01D0071-62 [I,A]; C08G0073-00 [I,C*]; C08G0073-06 [I,A];
C08G0073-18 [I,A]; C08J0005-20 [I,C*]; C08J0005-22 [I,A];
H01B0001-06 [I,C*]; H01B0001-06 [I,A]; H01M0008-02 [I,C*];
H01M0008-02 [I,A]
EXF 429/30; 429/33; 548/335.1; 548/343.5; 548/219; 548/146; 548/348; 548/156
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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